



Ser. No.: 10/066,281
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LISTING OF ALL CLAIMS AND STATUS THEREOF

1. Claims 1-20, inclusive (previously presented);
2. Claim 21 (currently amended);
3. Claims 22-25 (previously presented);
4. Claim 26 (currently amended);
5. Claim 27 (currently amended).

CLAIMS

Claim 1 (previously presented). An improved vapor generator and control system comprises:

- (1) a vaporization chamber for generating superheated vapor from liquid therein; and
- (2) at least one input port for input therethrough of liquid for vaporization in said vaporization chamber, said input port including means connectable to adjustable control means for controlling input of liquid into said vaporization chamber whereby generation of superheated vapor is controllable.

Claim 2 (previously presented). The invention as set forth in Claim 1 wherein said control means controls volume of liquid input into said vaporization chamber.

Claim 3 (previously presented). The invention as set forth in Claim 1 further including at least one output port for output therethrough of superheated vapor from said vaporization chamber, said at least one output port including means connectable to output control means for controlling output from said vaporization chamber.

Claim 4 (previously presented). The invention as set forth in Claim 3 wherein said output control means controls pressure of output from said vaporization chamber.

Claim 5 (previously presented). The invention as set forth in Claim 3 wherein said output control means controls volume of output from said vaporization chamber.

Claim 6 (previously presented). The invention as set forth in Claim 3 wherein said output control means comprises at least one valve member.

Claim 7 (previously presented). The invention as set forth in Claim 3 wherein said output control means includes means for directing in a selected direction superheated vapor from said vaporization chamber.

Claim 8 (previously presented). The invention as set forth in Claim 7 wherein said output control means comprises at least one valve member.

Claim 9 (previously presented). The invention as set forth in Claim 7 wherein said output control means is adjustable for directing superheated vapor from said vaporizing chamber in a plurality of selected directions.

Claim 10 (previously presented). The invention as set forth in Claim 8 wherein said at least one valve member comprises a plurality of valve members at least two of which are adjustable to direct output superheated vapor in substantially perpendicular directions.

Claim 11 (previously presented). The invention as set forth in Claim 3 wherein said output port is connectable to at least one object to which superheated vapor is to be directed.

Claim 12 (previously presented). The invention as set forth in Claim 3 wherein said output control means is connectable to at least one object to which superheated vapor is to be directed.

Claim 13 (previously presented). The invention as set forth in Claim 1 wherein said vaporization chamber has at least a portion of an inner surface which is rough.

Claim 14 (previously presented). The invention as set forth in Claim 1 wherein said vaporization chamber has at least a portion of an inner surface which defines at least one groove.

Claim 15 (previously presented). The invention as set forth in Claim 14 further including at least one groove other than the first-mentioned groove and wherein said first-mentioned groove and said second-mentioned groove intersect.

Claim 16 (previously presented). The invention as set forth in Claim 1 wherein said vaporization chamber has at least a portion of an inner surface which defines a plurality of grooves.

Claim 17 (previously presented). The invention as set forth in Claim 16 wherein said plurality of grooves vary substantially randomly in depth in a range substantially .030 inch to .050 inch.

Claim 18 (previously presented). The invention as set forth in Claim 4 wherein said output control means is configured to be hand-held by an operator and to be controlled by said operator.

Claim 19 (previously presented). The invention as set forth in Claim 1 wherein said vaporization chamber has at least a portion of an inner surface which includes at least one perforation.

Claim 20 (previously presented). The invention as set forth in Claim 1 wherein said vaporization chamber has at least a portion of an inner surface which includes at least one irregularity.

Claim 21 (currently amended). A method of fabricating a superheated vapor generator and control system ~~comprises~~ comprising the steps of:

- (1) (a) providing at least two separate parts of a vapor generator;
- (2) (b) fastening said parts together to form a vapor generator defining a vaporization chamber;
- (3) (c) providing means for connecting to control means for input to said vapor generator for controlling input of liquid into said vaporization chamber.

Claim 22 (previously presented). The method as set forth in Claim 21 further including the step of providing control means at the output of said vapor generator.

Claim 23 (previously presented). The method as set forth in Claim 21 further including the step of defining at least one groove in at least a portion of an inner surface of at least one of said ports.

Claim 24 (previously presented). The invention as set forth in Claim 21 further including the step of defining a plurality of grooves in at least a portion of an inner surface of at least one of said ports, such that said grooves vary in depth substantially randomly in height and depth in the range of .030 inch to .050 inch.

Claim 25 (previously presented). The invention as set forth in Claim 22 wherein said output control means are adjustable to control the direction of superheated vapor from said vaporization chamber.

Claim 26 (currently amended). A method for cleaning selected objects comprising the steps of:

- (1) (a) generating superheated vapor; and
- (2) (b) controlling volume, pressure or direction of output superheated vapor for a selected object to be cleaned.

Claim 27 (currently amended). A method for propulsion comprising the steps of:

- (+) (a) generating superheated vapor; and
- (-) (b) controlling output of superheated vapor to provide propulsion.

On the basis of the foregoing including the 10/10/03 Amendment it is respectfully submitted that the objections and rejections in the Office Action and as stated in the 12/2/03 telephone conference with the Examiner should be reconsidered and withdrawn that all claims in the case are allowable and that all claims should be allowed.

Dated: December 5, 2003

Respectfully submitted,
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